

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-78-22  
Relating to Certification of New Motor Vehicles

OFFICINE ALFIERI MASERATI S.p.A.

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1988 model-year Officine Alfieri Maserati S.p.A. exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

<u>Engine Family</u>	<u>Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
JMA2.2V5FACX	2.2 (135)	Three-Way Catalyst Heated Oxygen Sensor (Electronic Fuel Injection) (Turbocharger) (Intercooler) (On-Board Diagnostics)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>
0.39	7.0	0.7

The following are the certification emission values for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.16	2.1	0.3

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s] ..." (Title 13, California Administrative Code, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2035 et seq.).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 11<sup>th</sup> day of March, 1987.



K. D. Drachand, Chief  
Mobile Source Division

Manufacturer Officine Alfieri Maserati SpA Engine Family JMA2.2V5FACX  
Evaporative Family JMAVA Engine Type In line 4  
Liters (CID) 2.2 (135)

## ABBREVIATIONS

Ignition System

CA-Centrifugal Advance  
ECU-Electronic Control Unit  
EI-Electronic Ignition  
ESAC-Electronic Spark Advance  
Control  
VA-Vacuum Advance  
VR-Vacuum Retard

Exhaust Emissions Control System

AIP-Air Injection-Pump  
AIV-Air Injection-Valve  
DBC-Dual Bed Catalyst  
EGR-Exhaust Gas Recirculation  
EIC-Electronic Injection Control  
EM-Engine Modification  
OC-Oxidation Catalyst  
OS-Oxygen Sensor  
HOS-Heated Oxygen Sensor  
SPL-Smoke Puff Limiter or  
Throttle Delay  
TOC-Trap Oxidizer, Continual  
TOP-Trap Oxidizer, Periodical  
TWC-Three-Way Catalyst  
WUOC-Warm-Up Oxidation Catalyst  
WUTWC-Warm-Up Three-Way Catalyt

Special Features

CCV-Combustion  
Chamber Valve  
CFI-Central Fuel  
Injection or  
Throttle Body  
Injection  
DID-Diesel  
Injection-  
Direct  
DIP-Diesel  
Injection-  
Prechamber  
EFI-Electronic  
Fuel  
Injection  
IC-Intercooler  
or Aftercooler  
MFI-Mechanical  
Fuel  
Injection  
OBD-On-Board  
Diagnostics  
TC-Turbocharger

Fuel System

CFI, CL, DID, DIP, EFI, MFI  
nV-nVenturi Carburetor

VEHICLE MODELS:

Maserati Q

Engine: Front X Mid.        Rear         
Drive: FWD X RWD        4WD Full Time        4WD Part Time

1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEETE.O. # A-78-22Page 2Passenger Cars X Light-Duty Trucks \_\_\_\_\_ Medium-Duty Vehicles \_\_\_\_\_ Gas X Diesel \_\_\_\_\_Manufacturer Officine Alfieri Maserati SpA Engine Family JMA2.2V5FACXLiter (CID) 2.2 (135) Eng. Type In line 4Emission Control Sys. (Special Features) HOS, TWC, (EFI, IC, TC), (OBD)

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No.	Fuel System Part No.	EGR Valve Part No.	Catalyst Part No.
A-1	Q Car (7.8)	A-3	3375	Bosch 05233026	Bosch 05233026	N/A	04301725 04301898

Comments: See page one for abbreviations and evaporative emission family identification.  
Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

Date of Issue \_\_\_\_\_ Revisions: \_\_\_\_\_